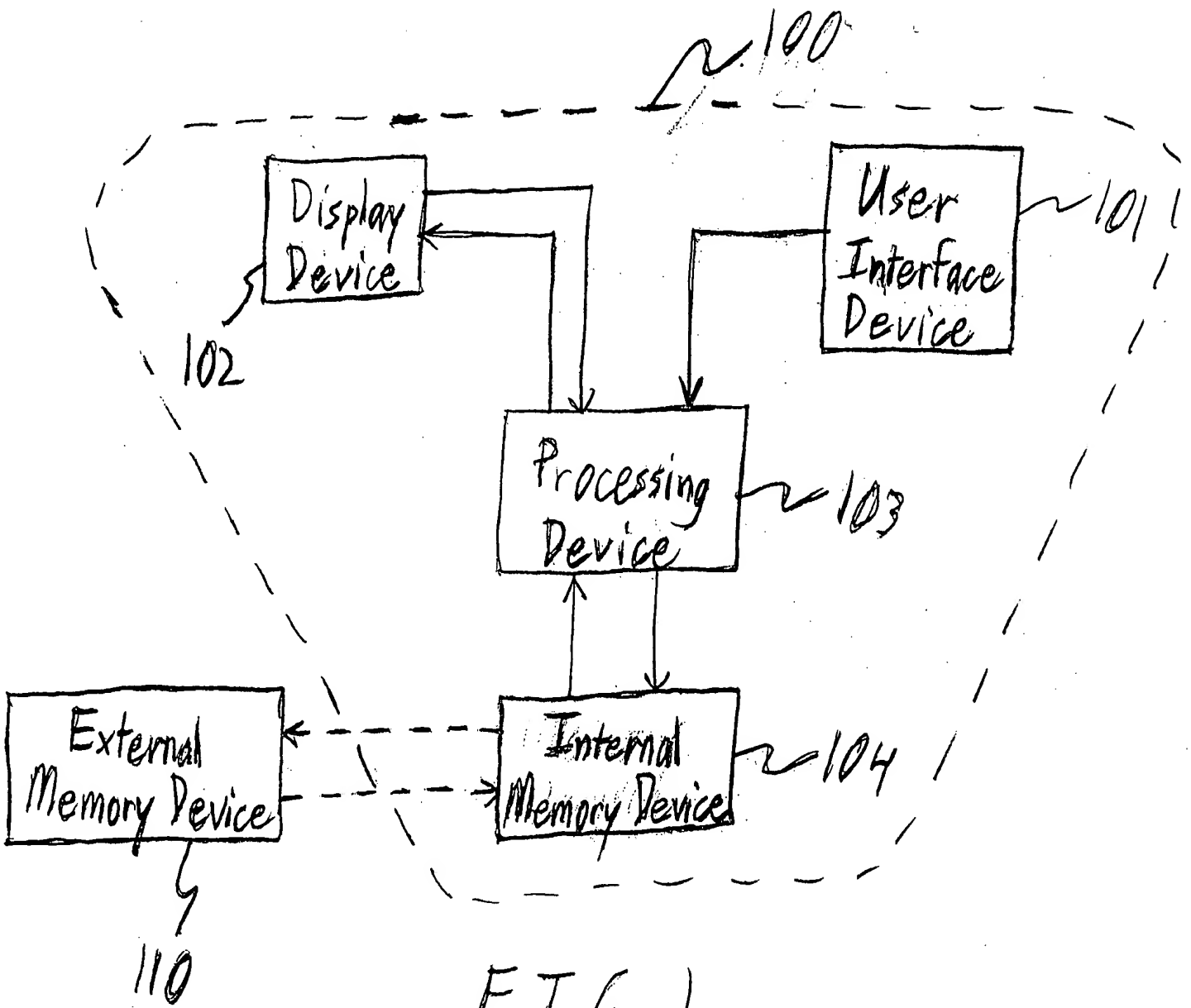

FIG. 1

08/~~391,803~~
94825

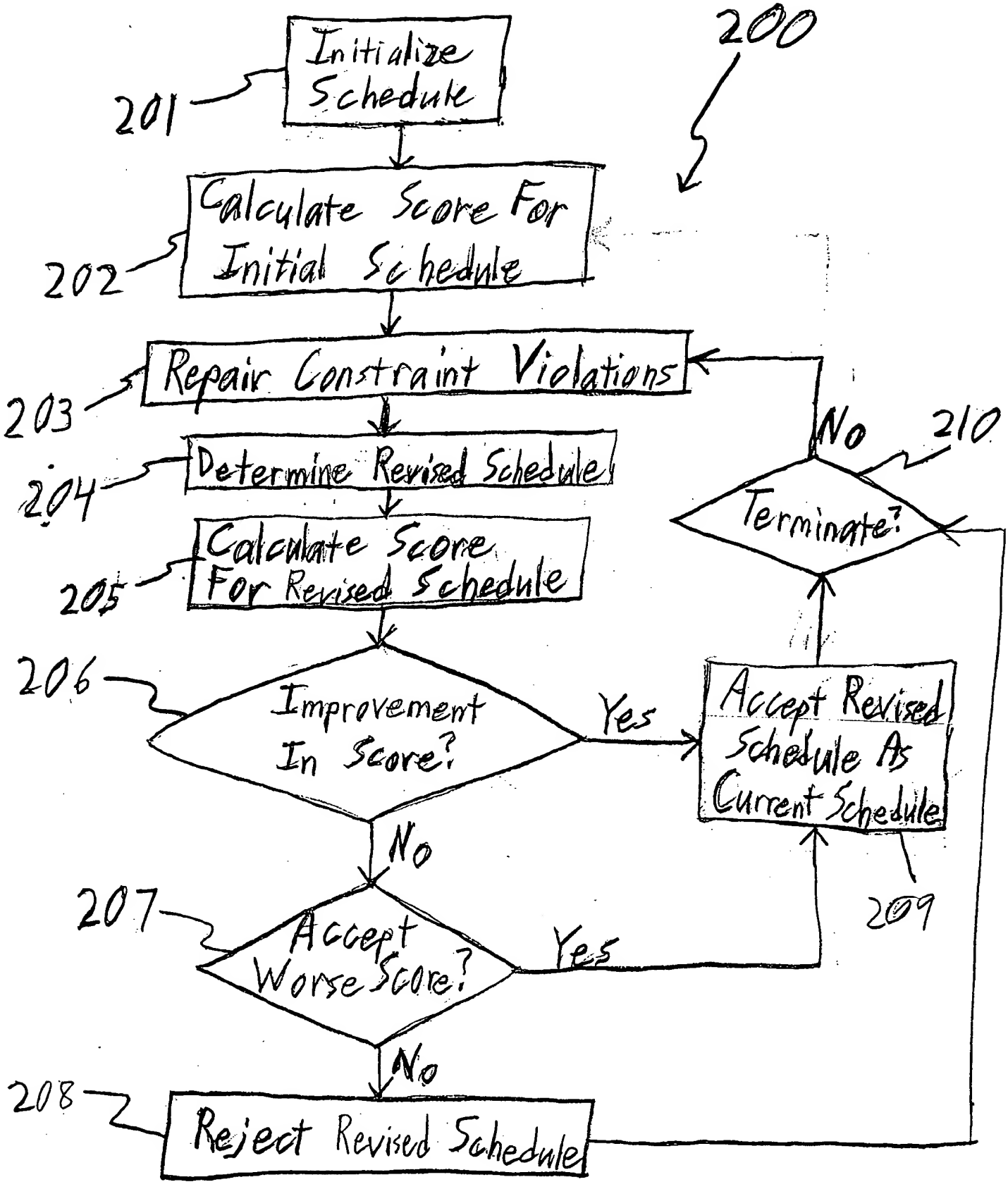
200
201
Initialize Schedule
202
Calculate Score For Initial Schedule
203
Repair Constraint Violations
204
Determine Revised Schedule
205
Calculate Score For Revised Schedule
206
Improvement In Score?
Yes
No
207
Accept Worse Score?
Yes
No
208
Reject Revised Schedule
209
Accept Revised Schedule As Current Schedule
210
Terminate?
No

FIG. 2

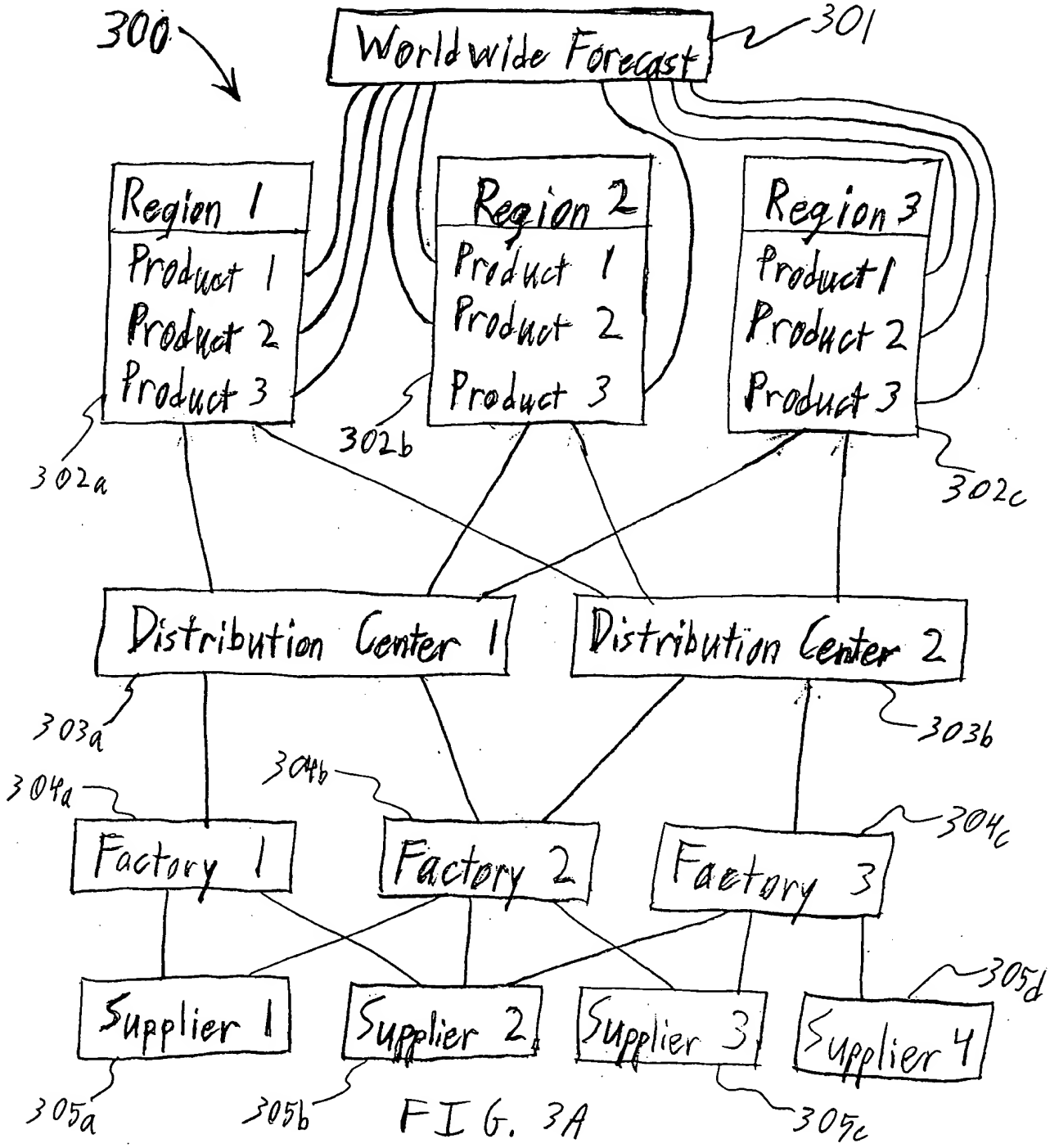
300
Worldwide Forecast
301
Region 1
Product 1
Product 2
Product 3
Region 2
Product 1
Product 2
Product 3
Region 3
Product 1
Product 2
Product 3
302a
302b
302c
Distribution Center 1
Distribution Center 2
303a
303b
304a
304b
304c
Factory 1
Factory 2
Factory 3
Supplier 1
Supplier 2
Supplier 3
Supplier 4
305a
305b
305c
305d

FIG. 3A

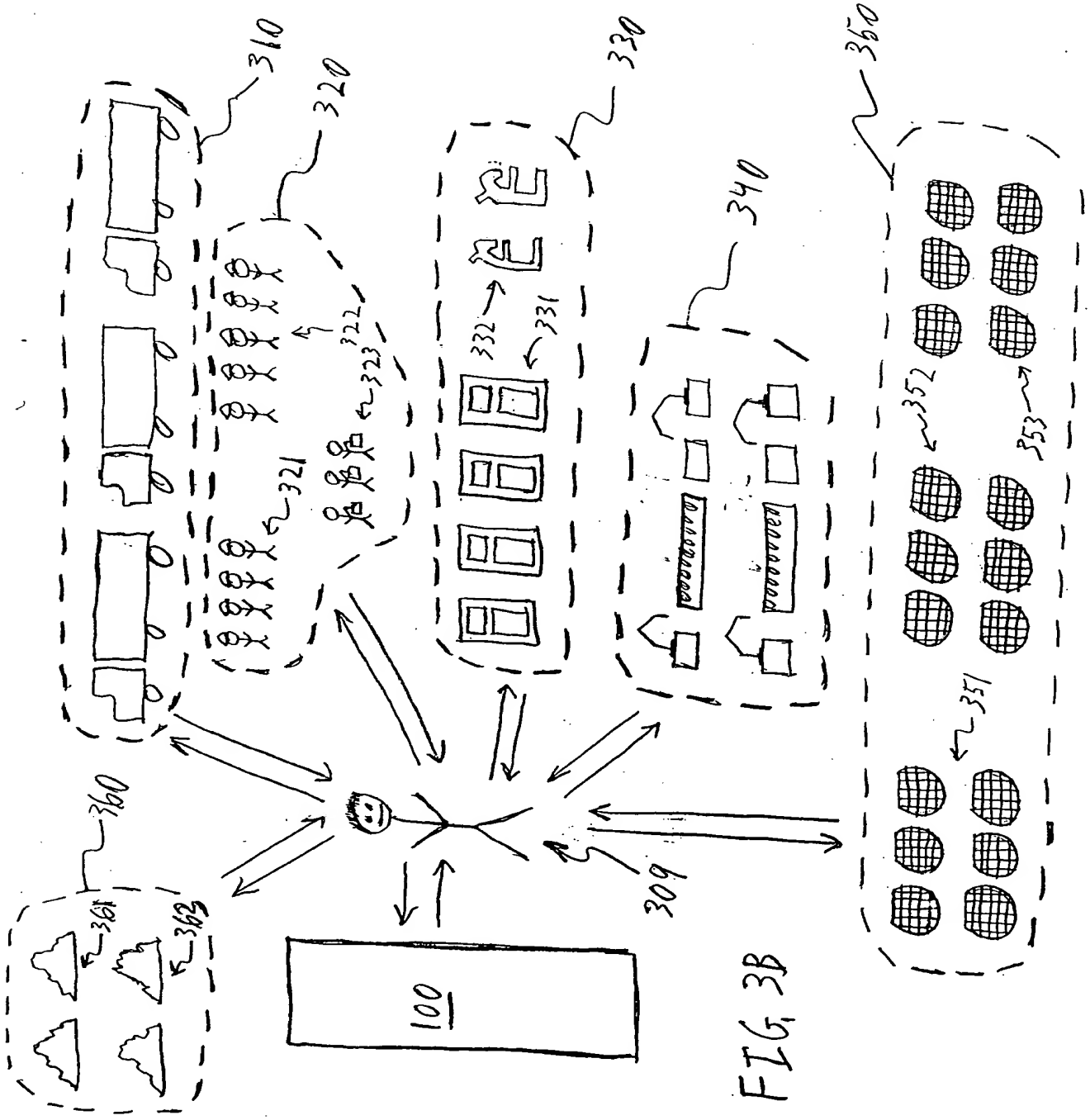
310
320
330
340
350
360
321
322
323
331
332
351
352
353
361
362
309
100

FIG. 3B

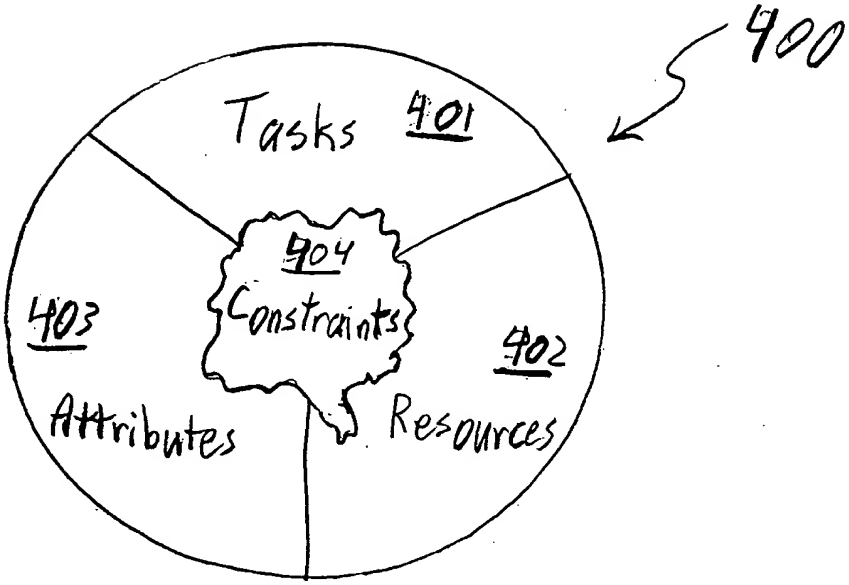
400
Tasks
401
404
Constraints
403
Attributes
402
Resources

FIG. 4A

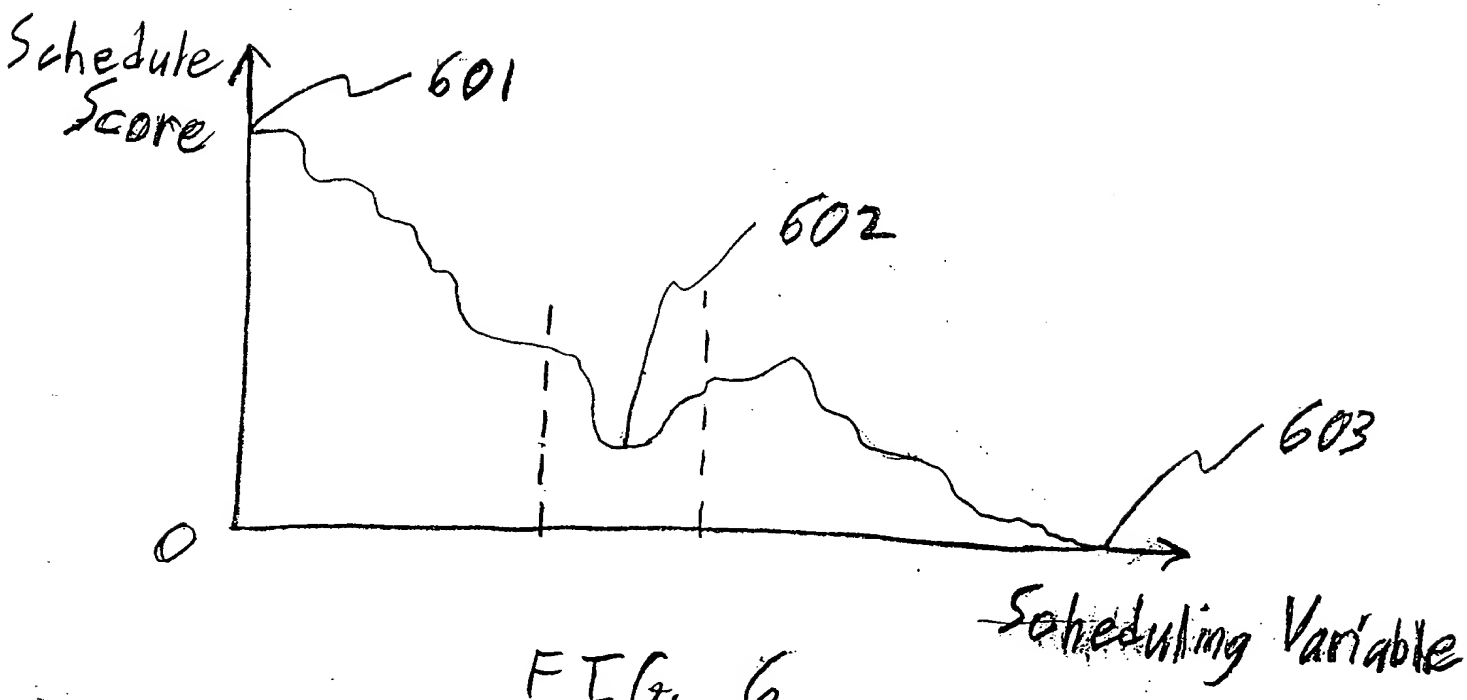
Schedule Score
601
602
603
0
Scheduling Variable

FIG. 6

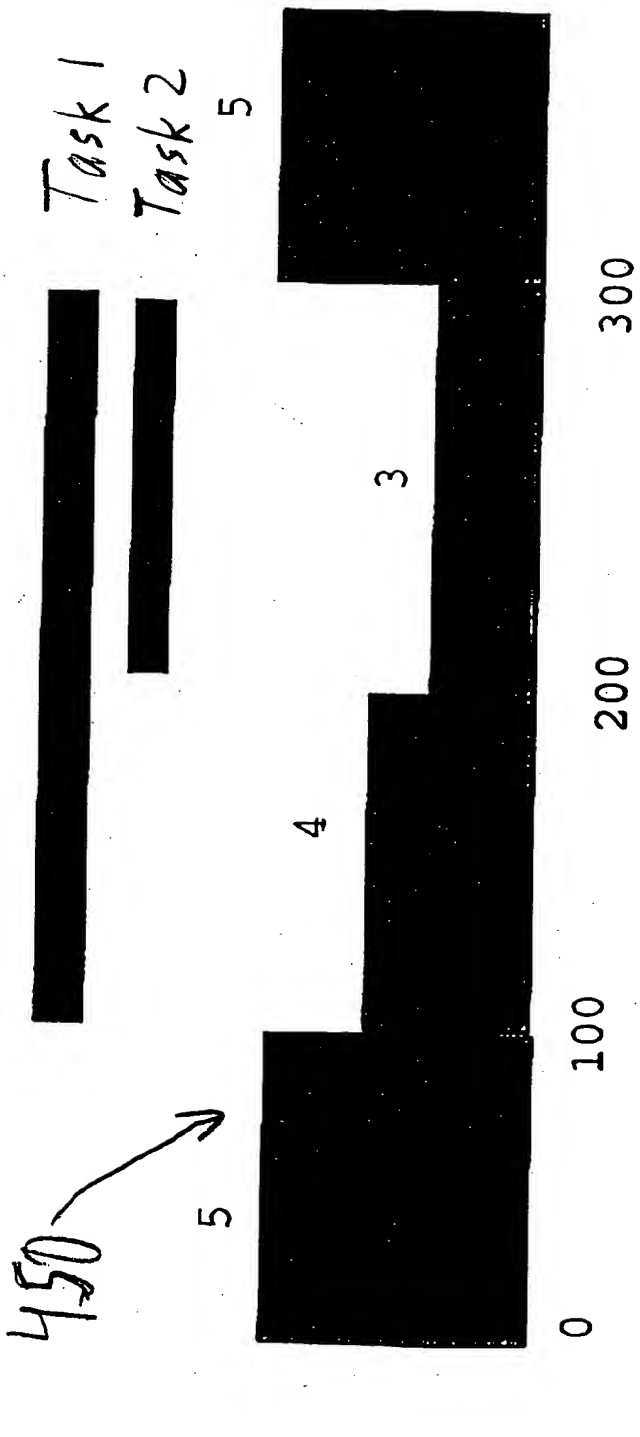

FIG. 4B